

CURRICULUM VITAE

3/4/10

NAME: David Charles Hess, M.D.

TITLE Professor of Neurology and Chairman
Presidential Distinguished Chair
Department of Neurology
Medical College of Georgia
Co-Director, Brain and Behavior Discovery Institute

OFFICE ADDRESS: Department of Neurology
Medical College of Georgia
Augusta, GA 30912

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EDUCATION

1972 - 1975 High School	Westfield Senior High School Westfield, New Jersey
1975 - 1979 University	The Johns Hopkins University Baltimore, Maryland B.A. Humanities
1979 - 1983 M.D.	University of Maryland School of Medicine Baltimore, Maryland
1983 - 1984 Internship	Allegheny General Hospital Pittsburgh, PA Internal Medicine
1984 - 1986 Residency	Allegheny General Hospital Pittsburgh, PA. Internal Medicine
1986 - 1989 Residency	Medical College of Georgia Augusta, Georgia Neurology Residency
1988 - 1989	Medical College of Georgia Department of Neurology Augusta, Georgia Chief Resident

LICENSURE: Pennsylvania (Inactive)
Georgia

BOARD CERTIFICATION: Diplomate, American Board of Internal
Medicine, September 1986

Diplomate, American Board of Psychiatry
and Neurology, October 1990

American Board of Psychiatry and Neurology, Vascular
Neurology, 2008

PROFESSIONAL/ ACADEMIC APPOINTMENTS

2008-present	Co-Director. Brain and Behavior Discovery Institute
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2/2005 to present	Clinical Co-Director, Institute of Neuroscience, Medical College of Georgia
4/2001 to present	Chairman Department of Neurology
2-2000 to 4/2001	Interim Chairman Department of Neurology Medical College of Georgia
7-2000 to present	Professor Department of Neurology Medical College of Georgia
2004-present	University of Georgia School of Pharmacy Adjunct Professor
2000 to present	Joint Appointment, Institute of Molecular Medicine and Genetics, Medical College of Georgia
2000 to present	Joint Appointment, School of Graduate Studies, Medical College of Georgia
1997 to 2000	Executive, Neurosciences Service VA Medical Center Augusta, Georgia
1990 to present	Chief, Neurology Service V.A. Medical Center Augusta, Georgia
1995 to 2000	Associate Professor Department of Neurology Joint Appointment in Medicine Medical College of Georgia
1990 to 1995	Assistant Professor Department of Neurology and Medicine Medical College of Georgia
1989 - 1990	Cerebrovascular Fellow, Instructor Department of Neurology Medical College of Georgia
1992 to Present	Consultant University Hospital Augusta, Georgia

1996	Tenure Medical College of Georgia
2008	Presidential Distinguished Chair Medical College of Georgia

**ADMINISTRATIVE RESPONSIBILITIES/
APPOINTMENTS**

Major Committees

1992 to 1996	Steering Committee: Thrombolytic Therapy in Acute Stroke(A0276), Genentech
Nov. 15-17, 1992	Neurology Board Examiner for American Board of Psychiatry and Neurology
1993 to 1997	American Heart Association-Stroke Council, Georgia Affiliate Liaison
1993 to 1995	American Heart Association, Georgia Affiliate, Health Site Committee
1994 to 1997	American Heart Association, Georgia Affiliate, Stroke Task Force, Chairman
1993 to 1997	Director Neuro 500 Third & Fourth Year Medical Student Clerkship, Medical College of Georgia
1994 to 1997	American Heart Association, Georgia Affiliate, Research Committee
1997	American Heart Association, Southeastern Affiliate, Research Peer Review Committee
1995 to 1997	American Heart Association, Georgia Affiliate, Board of Directors
1995 to Present	American Heart Association, Richmond- Columbia County Division, Board of Directors
1996-1997	Vice President American Heart Association

	Georgia Affiliate
1995-present	Augusta Biomedical Research Corporation Board of Directors
1997-1999	American Heart Association, Southeast Affiliate, Stroke Task Force
1999-2001	Georgia Medical Care Foundation: Stroke Performance Measure Study Group
	Counselor, Association of VA Neurologists
2000-2004	University Hospital Consortium Clinical Process Improvement-Ischemic Stroke Steering Committee
2005-7	Ethics, Law, and Humanities Committee, American Academy of Neurology
2007	Governor's (Georgia) Cord Blood Commission
2007	American Heart Association Telestroke Committee
2007-9	Chairman, American Heart Association Georgia Stroke Committee

COMMITTEE ASSIGNMENTS

Major Institutional Committees

1990 to 1994	Biomedical Research Support Grant Committee, Medical College of Georgia
1990 to 1997	Clinical Advisory Group VA Medical Center
1990 to 1997	Clinical Executive Board VA Medical Center
1997-1999	Executive Board V.A. Medical Center
1991 to Present	Human Assurance Committee, Institutional Review Board MCG and VA Medical Center

1991 to Present	Residency Credentials Review Committee VA Medical Center
1991 to 1994 1996-present	Research Committee VA Medical Center
1993, 1997-1999	Chairman, Research Committee VA Medical Center
1992 to 1994	Deans Committee VA Medical Center
1992 to Present	Research Proposal Review Subcommittee VA Medical Center
1992 to 1994	Clinical Planning Committee VA Medical Center
1993	Chairman, Chief of Medicine Search Committee, VA Medical Center
1993	Internal Residency Review Committee Medical College of Georgia
1993 to 1997	Phase III Curriculum Committee Medical College of Georgia
1994 to 2000	Secretary, Professional Standards Board Medical Staff Executive Committee VA Medical Center
1995 to 1998	Chairman, Clinical Pathway Committee VA Medical Center
1998-2000	Co-Chairman, Managed Care Committee V.A. Medical Center
1997-2006	University of Georgia M.D./Ph.D Advisory Committee
1996-2000	Residency and Education Committee Dept. of Neurology, Medical College of Georgia
1997-2000	Executive Committee VA Medical Center

1997-2000	Chairman, Telemedicine Developmental Program Project Steering Committee, VA Medical Center
1998-2002	Executive Committee, Dept of Neurology Medical College of Georgia
1998-2000	Chairman, Executive Committee, VA Medical Center
1999-present	Academic Council, Medical College of Georgia
1999-2000	Chairman, Faculty Subcommittee of LCME
2000-present	MCG Physician's Practice Group Board of Trustees
2002	Chair, Chairman of Medicine Search Committee
2004-5	Chair, Dean School of Medicine Search Committee
2006-	Dean's Advisory Committee
2007	Chair, Search Committee VP for Technology Transfer

National Research Committees

July 7-8, 1993	National Institutes of Health Program Project Review Special Committee Bethesda, MD
June 29-30, 1994	National Institutes of Health Program Project Review Special Committee Bethesda, MD
1996 to 1997	American Heart Association (National) Brain Review Committee
1998-1999	Chairman, Planning Committee, VA Cooperative Study #469
1999	VA QUERI Acute Stroke Expert Panel
1999, 2000	American Heart Association-Bugher Foundation Stroke Award Review Committee
	Endpoints Committee, The Iron (Fe) and Atherosclerosis Study (FeAST) VA Cooperative Study #410

Paul Coverdell Acute Stroke Registry Expert Panel
Centers for Disease Control, Atlanta, GA

2002 Co-Chair, Basic Cerebrovascular Disease Platform
Sessions, American Academy of Neurology

NIH/NIAMS Special Emphasis Panel (ZAR1-TAS-D (C1))
RFA-01-007

2002-3 NIH BDCN 3 Study Section

2003 VA Merit Review Neurobiology C Panel

2004 NIH NICHD CHHD-K Study Section Ad hoc

2007,2009 NINDS SPOTRIAS Review Committee

Reviewer/Editor

1998-2004

Practical Reviews in Neurology, American Academy of
Neurology

AD HOC Reviewer

Neurology
Stroke
Southern Medical Journal
Journal of Rheumatology
Journal of Family Practice
Lupus
Scandinavian Journal of Rheumatology
Journal of Cerebrovascular Diseases
American Journal of Physiology: Cell Physiology
Lancet
Brain Research
Life Sciences
European Journal of Clinical Investigation
Journal of Cerebral Blood Flow and Metabolism
Circulation
Experimental Neurology
Lancet Neurology
Stem Cells

AD HOC Reviewer (Grants)

Louisiana State Board of Regents Grant System
Arthritis Rheumatism Council, Great Britain
VA Merit Review
VA-Department of Defense
South Carolina Health Sciences

GRANTS

(Investigator-initiated, peer reviewed)

Principal Investigator: Minocycline to Improve Neurologic Outcomes (MINO) Clinical trial
NIH/NINDS RO1 NS 055728 ; Direct costs:1,500,000. April 1 2007-2010

Co-investigator Principal Investigator: Cesar Borlongan PhD Transplantation of multipotent adult progenitor cells in stroke NIH-NINDS UO1 NS 055914; May 2008-March 2013

Co- Investigator Neuroprotection in the Human Brain Tissue Model of Stroke
Principal Investigator: Sergei Kirov; NIH-NINDS Type R211R21NS062154-01A1 June 1, 2009-April 1, 2011

Principal Investigator: Breaking the blood-brain barrier after stroke. NIH R21 NS 43487-01;
\$200,000 direct costs 2002-2005 (with Supplement)

Co-Investigator: Vascular Protection in Acute Ischemic Stroke 1 RO1 NS044216-01A1 (Fagan, P.I.)NIH/NINDS : \$525,000 (direct costs - approx \$150,000 to MCG (Hess) as a subcontract) 5/1/2003 - 4/30/06

Principal Investigator. Blocking inflammation in acute ischemic stroke by targeting NF-kB. VA Medical Research Service Merit Review. \$420,000. 2001-2005

Principal Investigator: Blood into Brain: Regeneration of ischemic brain by bone marrow-derived progenitor cells. American Heart Association. Southeast Affiliate. \$120,000. 2000-2002

Principal Investigator: Cerebral Endothelial Cell Activation in Acute Ischemic Stroke: Role of NF-kB V.A. Medical Research Service Merit Review, \$274,000, 1997-2000

Principal Investigator: Inhibition of Cerebral Endothelial Cell Activation Using NF-kB Transcription Factor Decoys; American Heart Association, Georgia Affiliate. \$60,000, 1997-1999

Principal Investigator: Regulation of ICAM-1 in Brain Endothelium; American Heart Association, National, Grant in Aid, \$120,000; 1995-1998

Principal Investigator:Adhesion Molecules and Brain Endothelium.VA Medical Research Service. Merit Review \$165,000. 1994 - 1997

Principal Investigator: Cerebral Microvascular Endothelial Cell Activation During Hypoxia-reoxygenation. Medical College of Georgia Research Institute. \$10,000. 1993 - 1994

Principal Investigator: A Model for Antiphospholipid Stroke. Research Advisory Group.Veterans Administration Medical Research Service. \$68,000. 1992 - 1994

Principal Investigator:The Cerebral Endothelial Cell and Autoimmune Cerebrovascular Disease. American Heart Association (Georgia Affiliate). \$42,500. 1991 - 1993

Principal Investigator: Prevalence of Antiphospholipid Antibodies in a Stroke Population. Medical College of Georgia Research Institute. \$10,000. 1989 - 1990

Principal Investigator: The MRL/lpr Mouse: An Animal Model for Antiphospholipid Mediated Stroke. Biomedical Research Support Grant(Medical College of Georgia). \$3,600. 1991 – 1992

Co-Investigator: Gene Therapy for Stroke with Transcription Factor Decoys. American Heart Association. Southeast Affiliate. 10% effort 1999-2001

VA/NIH Contracts

Principal Investigator, Augusta site: Costs and Quality of Life in Veterans Treated for Multiple Sclerosis with Beta-interferon VA HSR&D; J Guarnaccia and J Booss , P.I. West Haven VA; 1997-2000

Principal Investigator (Augusta VAMC site): "Clinical Management and Outcome of Stroke Patients at VAMC's". Ronald Horner, Ph.D, P.I., Durham VA,VA HSRD; 1995 - 1997

Co-Investigator: Parkinson's disease Collaborative Study of Genetic Linkage (PROGENY) National Institutes of Health. 1999-

Co-Investigator: Warfarin Versus Aspirin in Recurrent Stroke Study. National Institutes of Health. 1993 – 1998

Co-Investigator: Warfarin vs Aspirin for Symptomatic Intracranial Disease. National Institutes of Health. Controlling Center Emory University 1999-

Co-Investigator: African-American Antiplatelet Stroke Prevention Study: Ticlopidine vs Aspirin (AASPS). National Institutes of Health. Rush Presbyterian-St Lukes's Medical Center Chicago, Ill 1999-2002

Teaching Grants

Faculty Advisor: Student Scholarship in Cerebrovascular Disease, American Heart Association. \$1,500. 1992

Preceptor: VA Neuroscience Fellowship; award to Khalid Malik; 1999-2001;

Principal Investigator; Health Sciences Fellowship; American Heart Association, Southeast Affiliate; \$7200. 1999-2001

Principal Investigator; Health Sciences Fellowship; American Heart Association, Southeast Affiliate; 21,600. 2001-2002

AWARDS/HONORS

1976	Humanities Honors Program The Johns Hopkins University
1979	Humanities Honors Program Best Thesis Award The Johns Hopkins University
1992	Fellow American College of Physicians
1994	Alpha Omega Alpha (AOA)
1996	Clinical Neuroscience Teaching Award Medical College of Georgia
1991-1998	V.A. Superior Performance Award
1996	Outstanding Service Award, American Heart Association, Richmond County Division
1999	Elected Member, American Neurological Association
2000	Distinguished Faculty Award for Clinical Science Teaching, Medical College of Georgia
2001-9	America's Top Doctors (Castle and Connolly)
2000	2001 Humanism in Medicine Award The Healthcare Foundation of New Jersey
2001-9	Best Doctors of America
2003	Educator of the Year Award, Medical College of Georgia Class of 2004
2004	Henry Middleton VA VISN 7 Excellence in Research Award
2005	Gold Humanism Honor Society
2006	Mayo Clinic Resident Choice Visiting Professor

**SCIENTIFIC and
PROFESSIONAL SOCIETIES**

American College of Physicians, Fellow
American Academy of Neurology
Medical Association of Georgia
American Heart Association, Stroke Council
American Heart Association, Thrombosis Council
American Association for the Advancement of Science
American Neurological Association
Society for Neuroscience
International Society for Stem Cell Research

PRESENTATIONS

Invited Lectures (last 2 years)

Hess DC. Telestroke: A Brief future of Acute Stroke Care. University of Wisconsin Department of Neurology Grand Rounds, May 19, 2007

Hess DC, "Telestroke for Rural States". American Heart Association State of Wisconsin Stroke Conference May 18, 2007

Hess DC Cerebrovascular Disease" in Athens Regional Medical Center Stroke Update, Athens GA, May 24, 2007

Hess DC "Telestroke", World Stroke Congress, Vienna, Austria, September, 2008

Hess DC; "The World is Flat: Telestroke" University of Udine Stroke Conference, Udine Italy, October 1, 2008

Hess DC," Prying the Window Open Earlier: Telestroke and Stroke Systems of Care" American Heart Association International Stroke Conference, San Diego, CA, February, 2009

Hess DC" Minocycline" International Stroke Conference, San Diego, February 2009

Hess DC: Telestroke: The World is Flat" St Louis University CME Course , St Louis, May 30, 2009

Hess DC: Emerging New Therapies for Acute Stroke. Memorial Hospital and American Heart Association Stroke Conference, June 12, 2009

Hess DC. The Promise of Telestroke HIMSS 10 Atlanta, GA 3-3-10

PUBLICATIONS in Non-Refereed Journals

Hess DC, Adams RJ, Nichols FT: Antiphospholipid Antibodies in Stroke. Journal of the Medical Association of Georgia, December, 1989;815-820.

Hess DC. Multiple Sclerosis. New Help, New Hope Consultations in Primary Care. Consultant. 2000; 40:1085-1094

Hess DC. Identifying the Spectrum of Neurologic complications in Sjogren's Syndrome. Advances in Immunotherapy. 2001;8:12-16

Malik K, **Hess DC.** Evaluating the comatose patient: Step by step neurologic assessment. Postgraduate Medicine 2002; February. 38-55

PUBLICATIONS in Peer Reviewed Journals

1. **Hess DC, Sethi KD:** Epilepsia Partialis Continua in Multiple Sclerosis. Journal of International Neurosciences, 1990;50(1-2):109-111.

2. **Hess DC, Fischer AQ, Yaghmai F, Figueroa R, Akamatsu Y:** Comparative Neuroimaging with Pathological Correlates in Alexander's Disease. Journal Child Neurology, 1990;5(3):248-252.

3. **Hess DC, Sethi KD, Nichols FT:** Carotid Dissection: A False Localizing Sign. J. Neurology, Neurosurgery, Psychiatry, 1990;804-805.

4. Arn PH, Hauser E, Thomas GH, Herman G, **Hess DC, Brusilow SW:** Hyperammonemic Coma, often Postpartum, in Women Who Have a Mutation of the Ornithine Transcarbamoylase Locus. New England Journal of Medicine, 1990;322:1652-1655.

5. Sethi KD, **Hess DC:** Prevalence of Dystonia in a Veteran Population. Movement Disorders, 1990;5:319-321.

6. Antiphospholipid Antibodies in Stroke Study Group. **Hess, DC,** contributing author: Clinical and Laboratory Findings in Patients with Antiphospholipid Antibodies and Cerebral Ischemia. Stroke, 1990;21:1268-1273.

7. Sethi KD, **Hess DC,** Holmes G: Gaze-Evoked Involuntary Movement. Movement Disorders 1990;5 (2):139-142.

8. **Hess DC, Awad E, Posas H, Sethi KD, Adams RJ:** Miller Fisher Syndrome in Systemic Lupus Erythematosus. J of Rheumatology, 1990;17:1520-22.

9. **Hess DC, Nichols FT, Sethi KD, Adams RJ:** Transient Cerebral Ischemia Masquerading as Paroxysmal Dyskinesia. Cerebrovascular Diseases, 1991;1:54-57.

10. **Hess DC, Krauss JS, Rardin D:** Stroke in a Young Adult with Fletcher Trait. Southern Medical Journal, 1991;84:507-508.

11. **Hess DC, Krauss J, Adams RJ, Nichols FT, Zhang D, Roundtree H:** Anticardiolipin Antibodies: A Study of Frequency in TIA and Stroke. Neurology, 1991;41:525-528.

12. Sethi KD, Hess DC: Creutzfeldt-Jakob's Disease Presenting with Ataxia and a Movement Disorder. *Movement Disorders*, 1991;6:157-162.
13. Hess DC, Adams RJ, Nichols FT: Neurological Complications of Clotting Disorders: Sickle Cell Anemia and Other Hemoglobinopathies. *Seminars in Neurology*, 1991;11:314-328.
14. Chen X, Orfanos S, Ryan JW, Chung AYK, Hess DC, Catravas J: Species Variation in Pulmonary Endothelial Aminopeptidase P Activity. *J Pharm and Exp Ther.*, 1991;259:1301-1307.
15. Hess DC, Stroke Associated with Antiphospholipid Antibodies. *Stroke*, 1992;[suppl I]:I-23-I-28.
16. Sethi, KD, Hess DC, Huffnagle VH, Adams RJ: Acetazolamide Treatment in Paroxysmal Dystonia in CNS Demyelinating Disease. *Neurology*. 1992;42:919-921.
17. Adams RJ, McKie V, Nichols F, Carl E, Zhang D, McKie K, Figueroa R, Litaker M, Thompson W, Hess DC: The Use of Transcranial Ultrasonography to Predict Stroke in Sickle Cell Disease. *N Engl J Med* 1992;326:605-10.
18. Hess DC, Sethi KD, Awad E: Thrombotic Thrombocytopenia Purpura and Antiphospholipid Antibodies: Treatment with Plasma Exchange and Cyclophosphamide. *J. Rheumatol.*, 1992;19:1474-1478.
19. Hess DC, D'Cruz I, Adams RJ, Nichols FT: Coronary Artery Disease, Myocardial Infarction, and Brain Embolism, *Neurologic Clinics*, 1993;11:399-417.
20. Hess DC, Taormina M, Thompson J, Sethi KD, Diamond B, Chamberlain CR, Rao R: Cognitive and Neurologic Deficits in the MRL/lpr Mouse: A Clinicopathologic Study. *J of Rheumatology*, 1993;20:610-617.
21. Hess DC, Sheppard JC, Adams RJ: Increased Immunoglobulin Binding to Cerebral Endothelium in Patients with Antiphospholipid Antibodies. *Stroke*, 1993,24:994-999.
22. Antiphospholipid Antibodies in Stroke Study (APASS). Hess DC, contributing author: Anticardiolipin Antibodies are an Independent Risk Factor for First Ischemic Stroke. *Neurology*, 1993;43:2069-2073.
23. Hess DC, Sheppard JC, Bhutwala T, Zhao W, Smith J: ICAM-1 Expression on Human Cerebral Microvascular Endothelial Cells. *Neuroscience Letters*, 1994;168:201-204.
24. Scott T, Hess DC, Brillman J: Antiphospholipid Antibody Syndrome Mimicking Multiple Sclerosis Clinically and by Magnetic Resonance Imaging. *Arch Internal Medicine*, 1994;154:917-920.
25. Hess DC, Zhao W, MacEachin M, Carroll JC: Increased Expression of ICAM-1 During Reoxygenation in Brain Endothelial Cells. *Stroke*, 1994;25:1463-1468.

26. **Hess DC**, Models for the Neurological Complications of Antiphospholipid Syndrome. *Lupus*, 1994;3:253-257.
27. STIPAS Investigators (**Hess D**, STIPAS Participant). Safety Study of Tirilizad Mesylate in Patients with Acute Ischemic Stroke. *Stroke* 1994;25:418-423
28. **Hess DC**, Thompson Y, Sprinkle A, Carroll J, Smith J. E-selectin Expression on Human Brain Microvascular Endothelial Cells. *Neuroscience Letters*, 1996;213:37-40.
29. **Hess, DC**, Cerebral Lupus Vasculopathy: Mechanisms and Clinical Relevance, *Annals of the New York Academy of Sciences*, 1997;823:154-168.
30. Antiphospholipid Antibodies and Stroke Study Group (APASS) **Hess DC**, contributing author, Antiphospholipid antibodies and the risk of recurrent thrombo-occlusive events and death. *Neurology* 1997;48:91-94
31. Carroll J, Howard, E, **Hess DC**, Wakade M, Chen Q, Cheng C. Nuclear factor-kB activation during cerebral reperfusion:effect of attenuation with N-acetylcysteine. *Molecular Brain Research* 1998;56:186-191
32. Howard EF, Chen Q, Cheng C, Carroll JE, **Hess DC**. NF-kB is activated and ICAM-1 gene expression is upregulated during reoxygenation of human brain endothelial cells. *Neuroscience Letters*, 1998;248:199-203
33. Demchuk A, **Hess DC**, Brass LM, Yatsu F. Is cholesterol a risk factor for stroke? Yes. *Arch Neurol* 1999; 56:1518-1520
34. Clark WM, Wissman S, Albers GW et al for the ATLANTIS Investigators (**Hess D**, member). Recombinant Tissue-Type Plasminogen Activator (Alteplase) for Ischemic Stroke 3 to 5 Hours After Symptom Onset. The ATLANTIS Study: A Randomized Controlled Trial. *JAMA* 1999;282:2019-2026
35. Meador KJ, Moore EE, Martin RC, Loring DW, **Hess DC**, Heilman KM. Limb and hemispatial hypometria. *J Int Neuropsychological Soc* 2000;6:71-75
36. **Hess DC**, Demchuk A, Brass LM, Yatsu F. HMG-CoA reductase inhibitors: a promising new treatment for stroke prevention. *Neurology*, 2000;54:790-796
37. **Hess DC**, Howard E, Cheng C, Carroll J., Hill WD Hypertonic loading with mannitol and NF-kB transcription factor decoys blocks ICAM-1 upregulation in human brain microvascular endothelial cells *Stroke*; 2000;31:1179-1186
38. Clark WM, Albers GW, Madden KP, Hamilton S for the Thrombolytic Therapy in Acute Ischemic Stroke Study Investigators (**Hess D**, member). The rtPA 0-6 hour Acute Stroke Trial, Part A (AO276 g): Results of a Double-Blind, Placebo-Controlled, Multicenter Trial. *Stroke* 2000;31:811-816
39. Carroll J, **Hess DC**, Howard E, Hill WD. Is nuclear factor -kB a good treatment target in brain ischemia-reperfusion injury? *NeuroReport* 2000;11:R1-R4

40. Meroni PL, Raschi E, Camera M, Testoni C, Nicoletti F, Tincani A, Khamashta MA, Balestrieri G, Tremoli E, **Hess DC**. Endothelial activation by aPL: A potential pathogenetic mechanism for the clinical manifestations of the syndrome. J Autoimmunity 2000;15:237-240
41. Hill WD, **Hess DC**, Carroll JC, Wakade C, Howard E, Meadows A. Inhibition of NF-kB activation with diethylthiocarbamate increases DNA fragmentation during transient cerebral ischemia, Brain Research Bulletin, 2001;55:375-386
42. **Hess DC**, Fagan S. Pharmacology and Clinical Experience with Simvastatin. Expert Opinion in Pharmacotherapy, 2001; 2:153-163
43. **Hess DC**, Hill WD, Martin A, Carroll J, Brailer J, Carothers J. Bone marrow-derived cells differentiate into endothelial cells and NeuN-expressing cells after stroke. Stroke 2002;33:1362-8
44. Sethi KD, Lee KH, Deuskar V, **Hess DC**. Orthostatic paroxysmal dystonia. Mo Disord 2002;17:841-5
45. **Hess DC**, Hill WD, Martin-Studdard A, Carothers J, Brailer J, Carroll J. Blood into brain after stroke. Trends Mol Med 2002;8:452-3
46. Masuya M, Drake CJ, Fleming PA, Reilly CM, Zeng H, Hill WD, Martin Studdard A, **Hess DC**, Ogawa M. Hematopoietic origin of glomerular mesangial cells. Blood 2002; e pub Nov 14
47. Hoffman WH, Cheng C, Passmore GC, Carroll JE, **Hess D**. Acetoacetate increases expression of intercellular adhesion molecule-1 (ICAM-1) in human brain microvascular endothelial cells. Neurosci Lett 2002;334:71-4
48. Masuya M, Drake CJ, Fleming PA, Reilly CM, Zeng H, Hill WD, Martin Studdard A, **Hess DC**, Ogawa M. Hematopoietic origin of glomerular mesangial cells. Blood 2003; 101:2215-8
49. Wattigney WA, Croft JB, Mensah GA, Alberts MJ, Shephard TJ, Gorelick PB, Nilasena DS, **Hess DC**, Walker MD, Hanley DF, Shwayder P, Girgus M, Neff LJ, Williams JE, LaBarthe DR, Collins JL. Establishing data elements for the Paul Coverdell National Acute Stroke Registry: Part 1:Proceedings of an Expert Panel. Stroke 2003;34:151-6
50. Fagan SC, Lee LA, **Hess DC**. Role of angiotensin-converting enzymes inhibitors in stroke prevention. Am J Health Systm Pharm 2003;60:788-93
51. Borlongan CV, **Hess DC**. G-CSF-mobilized human peripheral blood for transplantation therapy in stroke. Cell Transplant 2003;12:447-8
52. Wang S, Lee SB, Pardue C, Ramsingh D, Waller J, Gross H, Nichols FT, **Hess DC**, Adams RJ. Remote Evaluation of Acute Ischemic Stroke. Reliability of National Institutes of Health Stroke Scale via Telemedicine. Stroke 2003 Sept 18 e pub
53. Hill WD, **Hess DC**, Fagan SC, Martin Studdard A, SDF-1 (CXCL12) is upregulated in the ischemic penumbra following stroke: association with bone marrow cell homing to injury J Neuropathol Exp Neurol. 2004 Jan;63(1):84-96.

54. Carswell JL, Beard KA, Chevrette MM, Pardue CN, **Hess DC**, Fagan SC. Tracking stroke prevention strategies after stroke. Ann Pharmacother. 2004 Feb;38(2):215-9. Epub 2003 Dec 23.
55. **Hess DC**, Abe T, Hill WD, Martin Studdard A, Carothers J, Masuya M, Fleming P, Drake C, Ogawa M. Hematopoietic origin of microglial and perivascular cells in brain. Exp Neurology 2004;186:134-144
56. **Hess DC**, Hill WD, Carroll JC, Borlongan C. Do bone marrow cells generate neurons? Archives Neurology 2004;61:483-485
57. Wang J, Wei Q, Wang CY, Hill WD, **Hess DC**, Dong Z. Minocycline upregulates Bcl-2 and protects against cell death in mitochondria. J Biol Chem 2004;279:19948-54
58. Fagan SC, Arora A, Edwards D, Borlongan C, Xu, L, Feuerstein G, **Hess DC**. Optimal delivery of minocycline to the brain: implications for human studies of acute neuroprotection. Exp Neurology 2004;186:248-251
59. Borlongan C, Lind JG; Dillon-Carter, O; Yu G, MD, Hadman, M ; Cheng C, Carroll, J **Hess, DC**. Bone marrow grafts restore cerebral blood flow and blood brain barrier in stroke rats. Brain Research 2004;1010:108-116
60. Xu L, Fagan SC, Waller JL, Edwards DJ, Borlongan CV, Zheng J, Hill WD, Feuerstein G, **Hess DC**. Low dose intravenous minocycline is neuroprotective after middle cerebral artery occlusion-reperfusion in rats. BMC Neurol 2004;April 26 e pub
61. Borlongan CV, Lind JG, Dillon-Carter O, Yu G, Hadman M, Cheng C, Carroll J, **Hess DC**. Intracerebral xenografts of mouse bone marrow stromal cells in adult rats facilitate restoration of cerebral blood flow and blood-brain barrier. Brain Res 2004; 1009;26-33
62. Yu G, **Hess DC**, Borlongan CV Combined cyclosporine-A and methylprednisolone treatment exerts partial and transient neuroprotection against ischemic stroke. Brain Res. 2004 Aug 20;1018(1):32-7.
63. Yu G, Xu L, Hadman M, **Hess DC**, Borlongan CV Intracerebral transplantation of carotid body in rats with transient middle cerebral artery occlusion. Brain Res. 2004 Jul 23;1015(1-2):50-6.
64. Irons H, Lind JG, Wakade CG, Yu G, Hadman M, Carroll J, **Hess DC**, Borlongant CV. Intracerebral xenotransplantation of GFP mouse bone marrow stromal cells in intact and stroke rat brain: graft survival and immunologic response. Cell Transplant. 2004;13(3):283-94
65. Wang S, Gross H, Lee SB, Pardue C, Waller J, Nichols FT 3rd, Adams RJ, **Hess DC**. Remote evaluation of acute ischemic stroke in rural community hospitals in Georgia. Stroke. 2004 Jul;35(7):1763-8. Epub 2004 May 27.

66. Fagan SC, **Hess DC**, Hohnadel EJ, Pollock DM, Ergul A. Targets for vascular protection after acute ischemic stroke. Stroke. 2004 Sep;35(9):2220-5. Epub 2004 Jul 29
67. Stern DM, **Hess DC**, Borlongan CV. Healing a broken heart with stem cells. Cell Transplant. 2004;13(7-8):725-7
68. Fagan SC, **Hess DC**, Machado LS, Hohnadel EJ, Pollack DM, Ergul A. Tactics for vascular protection after acute ischemic stroke. Pharmacotherapy. 2005 Mar;25(3):387-95
69. Yu G, Fournier C, **Hess DC**, Borlongan CV. Transplantation of carotid body cells in the treatment of neurological disorders. Neurosci Biobehav Rev. 2005 Jan;28(8):803-10
70. Borlongan CV, Yu G, Matsukawa N, Xu L, **Hess DC**, Sanberg PR, Wang Y. Acute functional effects of cyclosporine-A and methylprednisolone treatment in adult rats exposed to transient ischemic stroke. Life Sci. 2005 Feb 11;76(13):1503-12.
71. Borlongan CV, Evans A, Yu G, **Hess DC**. Limitations of intravenous human bone marrow CD133+ cell grafts in stroke rats. Brain Res. 2005 Jun 28;1048(1-2):116-22.
72. Shaltoni HM, Yatsu FM, **Hess DC** Statins and stroke prevention. Curr Atheroscler Rep. 2005 Jul;7(4):313-8.
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